

Fig. 1 Prior art

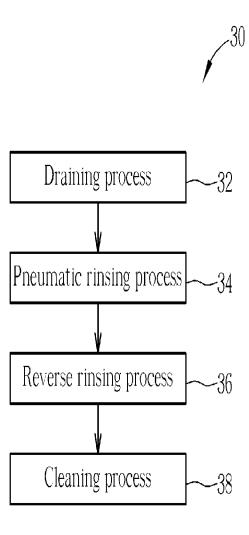


Fig. 2 Prior art

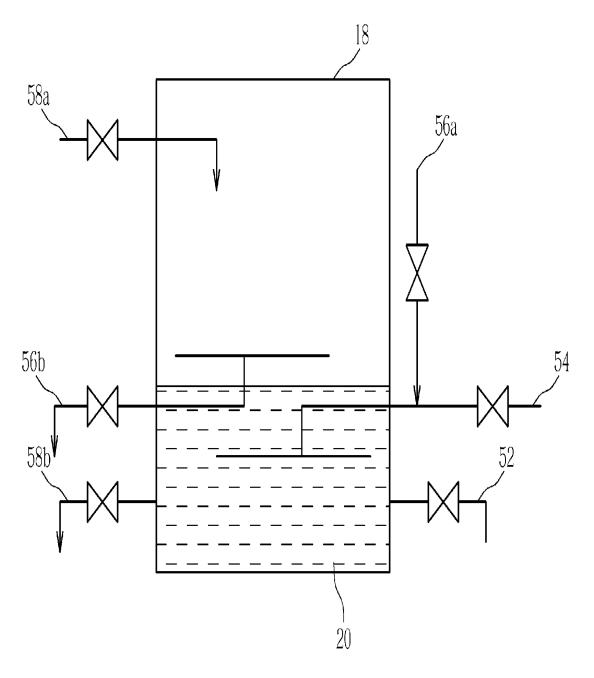


Fig. 3 Prior art

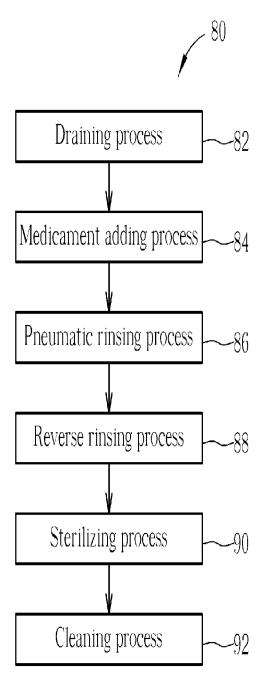


Fig. 4

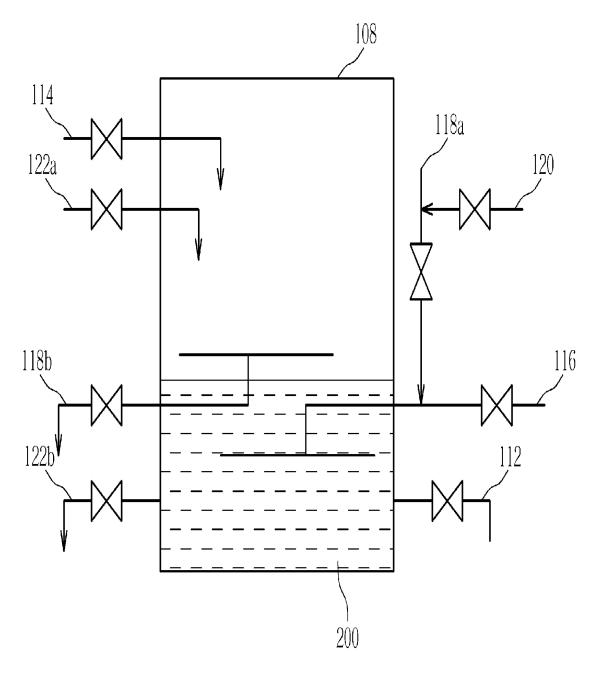


Fig. 5

PH value	Aluminum type	Effect	Flocculation condition
Under 4	A1 ³⁺	 neutralized charges no cross-linking ability 	Poor flocculation
5~6	A1 ₈ (OH) ₂₀ ⁴⁺		No flocculation
7	Few Al ₈ (OH) ₂₀ ⁴⁺ Mostly Al(OH) ₃	 Neutralized charges cross-lnking ability 	Good flocculation
Over 9	A1(OH) ₄	 negative charges particle restablized 	No flocculation

Fig. 6